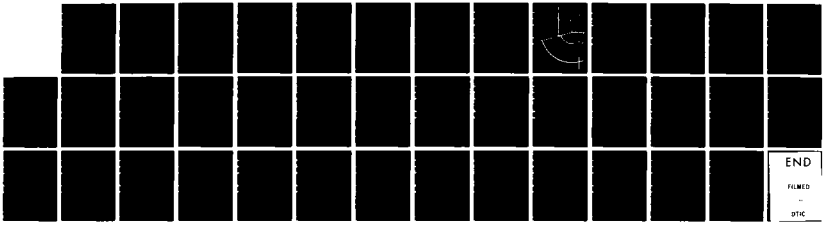
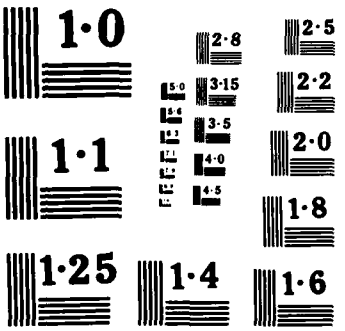
AD-A144 836 19320A MLRS MISSILE NUMBER V6165 V6131 V6132 V6133 1/1
ROUND NUMBER V593/AT2-.. (U) ARMY ELECTRONICS RESEARCH
AND DEVELOPMENT COMMAND WSMR NM ATM.. D C KELLER
UNCLASSIFIED JUN 84 ERADCOM/ASL/DR-1345 F/G 4/2 NL

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DR 1345
Jun 84
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METEOROLOGICAL DATA REPORT

Missile Number V6165, V6131, V6132, V6133
Round Number V593/AT2-55, V594/AT2-56, V595/AT2-57, VV596/AT2-58
12 June 1984

by

DONALD C. KELLER
Program Support Coordinator
Phone Number (505) 679-9568
AVN Number 349-9568

ATMOSPHERIC SCIENCES LABORATORY
WHITE SANDS MISSILE RANGE, NEW MEXICO

ECOM
UNITED STATES ARMY ELECTRONICS COMMAND

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REPORT DOCUMENTATION PAGE

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

Meteorological data gathered for the launching of the 19320A MLRS, Missile Number V6165, V6131,V6132, V6133, Round Number V593/AT2-55, V594/AT2-56, V595/AT2-57 V596/AT2-58 are presented in tabular form.

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CONTENTS

INTRODUCTION

19320A MLRS, Missile Numbers V6165, V6131, V6132, and V6133, Round Numbers V593/AT2-57 Thru V594/AT2-58, were launched from LC-33, White Sands Missile Range (WSMR), New Mexico at 1000:48, 1010:31, 1010:35 and 1010:40 MDT, 12 Jun 84. The scheduled launch times were 0956 MDT, 1006:00, 1006:4.5 and 1006:09 MDT.

DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods:

1. Observations

a. Surface

(1) Standard surface observations to include pressure, temperature (°C), relative humidity, dew point (°C), density (gm/m^3), wind direction and speed, and cloud cover were made at the LC-33 Met Site at T-0 minutes.

(2) Anemometer data were provided from existing pole-mounted and tower-mounted anemometers at LC-33. Monitor of wind speed and direction from one anemometer was also provided in the launch control room.

b. Upper Air

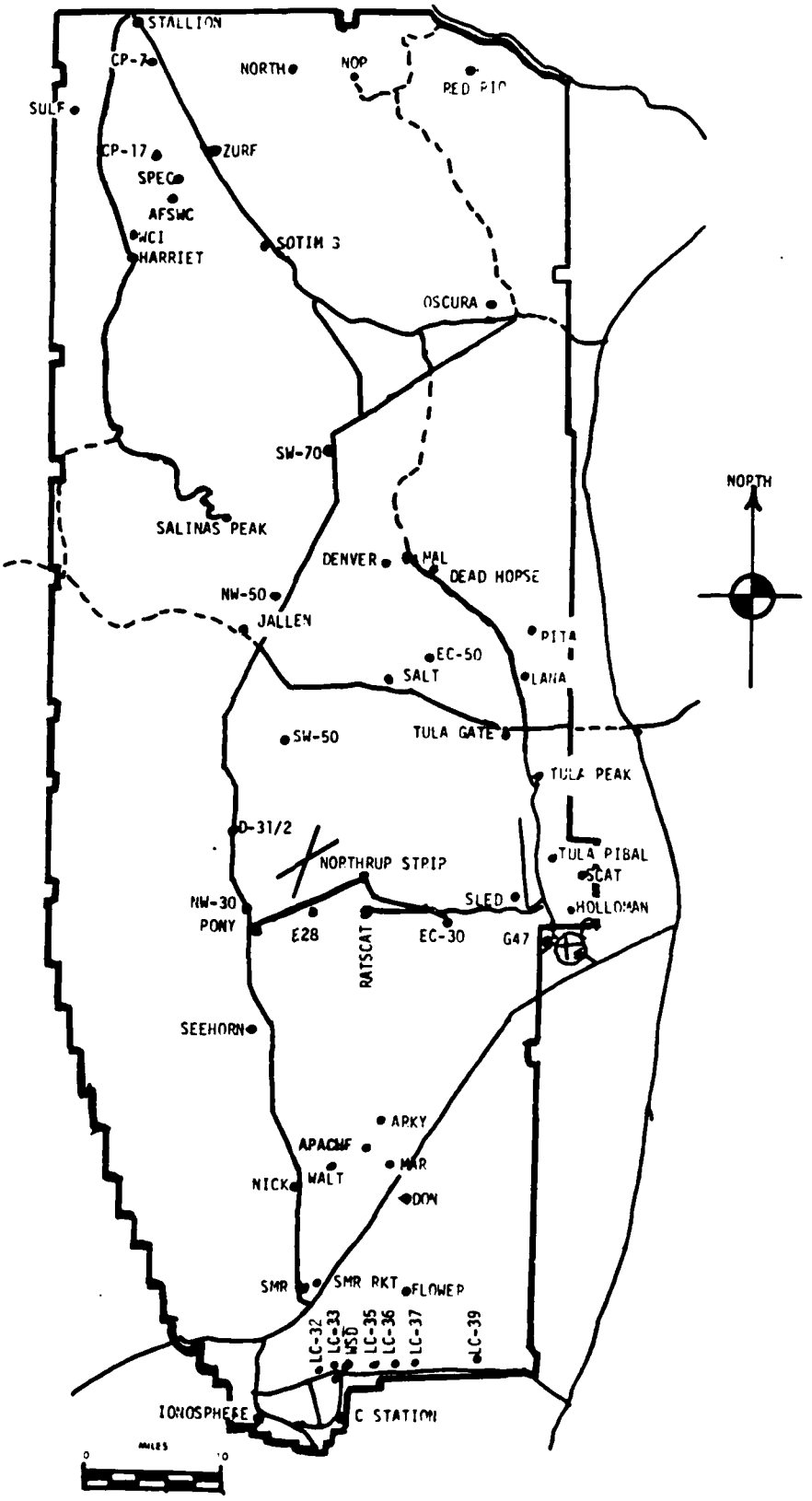
(1) Low level wind data were obtained from pilot-balloon observations at:

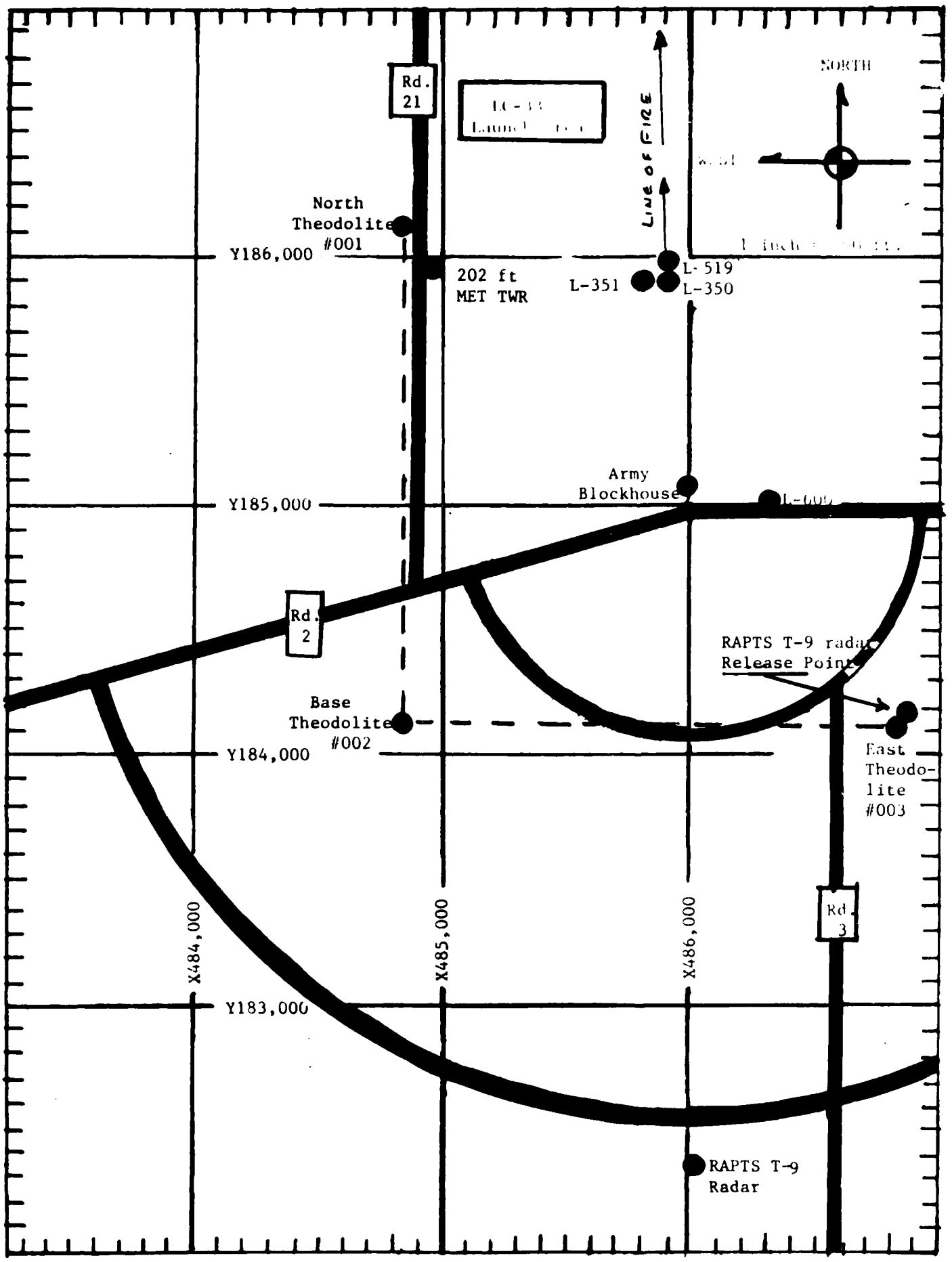
SITE AND ALTITUDE	
SMR	2 km
LC-33	2 km

(2) Air structure data (rawinsonde) were collected at the following Met Sites.

SITE AND TIME	
WSD	0656 MDT
SMR	0656 MDT
WSD	0826 MDT
SMR	0826 MDT
WSD	0911 MDT
SMR	0911 MDT
WSD	1000 MDT
SMR	1002 MDT

WSMR METEOROLOGICAL SITES




Rd. 21
LINE OF FIRE
NORTH
North Theodolite #001
Y186,000
202 ft MET TWR
L-351
L-519
L-350
Army Blockhouse
Y185,000
Rd. 2
RAPTS T-9 radar Release Point
Base Theodolite #002
Y184,000
East Theodo-lite #003
Rd. 3
X484,000
X485,000
X486,000
Y183,000
RAPTS T-9 Radar

PROJECT SURFACE OBSERVATION

TABLE 1 STATION LC-33

DATE 12 (DAY) Jun (MONTH) 84 (YEAR) X= 484,982.64 Y= 185,957.73 H= 3995.00

TIME MDT	PRESSURE mbs	TEMPERATURE °F	TEMPERATURE °C	DEW POINT °F	DEW POINT °C	RELATIVE HUMIDITY %	DENSITY gm/m³	WIND DIRECTION degs Tn	WIND SPEED kts	WIND CHARACTER kts	VISIBILITY
1001	877.1		31.8		8.8	24		320	10		40
1011	877.0		31.4		8.2	24		320	10		40

OBSTRUCTIONS TO VISIBILITY	CLOUDS 1st LAYER AMT	1st LAYER TYPE	1st LAYER HGT	2nd LAYER AMT	2nd LAYER TYPE	2nd LAYER HGT	3rd LAYER AMT	3rd LAYER TYPE	3rd LAYER HGT	REMARKS
	2	ci	25000							
	2	ci	25000							

PSYCHROMETRIC COMPUTATION

TIME: MDT	1001	1011	
DRY BULB TEMP.	31.8	31.4	
WET BULB TEMP.	17.2	16.8	
WET BULB DEPR.	14.6	14.6	
DEW POINT	8.8	8.2	
RELATIVE HUMID.	24	24	

LC-33 METEOROLOGICAL TOWER
ANEMOMETER MEASURED WIND DATA

WSTM COOORDINATES X=484,982.64 Y=185,957.73 H=3983.00(BASE)

TABLE NO. 2

DATE 12 Jun 84 1001 M D T
DAY MONTH YEAR TIME

LEVEL #1	12 FT AGL		LEVEL #2	62 FT AGL	
T-TIME(SEC)	DIR(DEG)	SPEED(KTS)	T-TIME(SEC)	DIR(DEG)	SPEED(KTS)
T-30	MISG	MISG	T-30	MISG	MISG
T-20	MISG	MISG	T-20	MISG	MISG
T-10	306	03	T-10	306	14
T- 0(1st T)	306	01	T- 0(1st T)	314	12
T+10	316	08	T+10	309	12
T+20	297	10	T+20	303	12
T+30	297	08	T+30	308	12
T+40			T+40		
T+50			T+50		
T+60			T+60		

LEVEL #3	102 FT AGL		LEVEL #4	202 FT AGL	
T-TIME(SEC)	DIR(DEG)	SPEED(KTS)	T-TIME(SEC)	DIR(DEG)	SPEED(KTS)
T-30	MISG	MISG	T-30	MISG	MISG
T-20	MISG	MISG	T-20	MISG	MISG
T-10	305	14	T-10	296	12
T- 0(1st T)	303	14	T- 0(1st T)	300	12
T+10	303	12	T+10	291	11
T+20	300	13	T+20	303	14
T+30	308	12	T+30	316	11
T+40			T+40		
T+50			T+50		
T+60			T+60		

LC-33 METEOROLOGICAL TOWER
ANEMOMETER MEASURED WIND DATA

WSTM COOORDINATES X=484,982.64 Y=185,957.73 H=3983.00(BASE)

TABLE NO. 3

DATE 12 Jun 84 1011 M D T
DAY MONTH YEAR TIME

LEVEL #1	12 FT AGL	
T-TIME(SEC)	DIR(DEG)	SPEED(KTS)
T-30	333	12
T-20	335	08
T-10	339	10
T- 0(1st T)	334	07
T+10	342	08
T+20	343	06
T+30	352	05
T+40		
T+50		
T+60		

LEVEL #2	62 FT AGL	
T-TIME(SEC)	DIR(DEG)	SPEED(KTS)
T-30	330	12
T-20	332	12
T-10	333	10
T- 0(1st T)	339	07
T+10	340	09
T+20	336	
T+30	329	08
T+40		
T+50		
T+60		

LEVEL #3	102 FT AGL	
T-TIME(SEC)	DIR(DEG)	SPEED(KTS)
T-30	327	12
T-20	328	12
T-10	330	10
T- 0(1st T)	334	10
T+10	326	10
T+20	332	08
T+30	319	10
T+40		
T+50		
T+60		

LEVEL #4	202 FT AGL	
T-TIME(SEC)	DIR(DEG)	SPEED(KTS)
T-30	319	12
T-20	323	11
T-10	324	10
T- 0(1st T)	321	10
T+10	321	09
T+20	319	11
T+30	326	14
T+40		
T+50		
T+60		

TABLE 4

PILOT-BALLOON MEASURED WIND DATA

DATE 12 June 1984

SITE: LC-33
TIME: 0941 MDT
WSTM COORDINATES:
X= 486,037.24
Y= 182,350.16
H= 3,977.30

LAYER MIDPOINT METERS AGL	DIRECTION DEGREES	SPEED KNOTS
SURFACE	300	12
150	290	13
210	279	14
270	282	13
330	279	14
390	289	15
500	293	12
650	284	11
800	290	10
950	282	13
1150	313	05
1350	332	07
1550	195	02
1750	169	06
2000	MISG	MISG

SITE: SMR
TIME 0941 MDT
WSTM COORDINATES:
X= 472,444.85
Y= 213,781.95
H= 4,000.99

LAYER MIDPOINT METERS AGL	DIRECTION DEGREES	SPEED KNOTS
SURFACE	215	05
150	274	04
210	280	16
270	265	16
330	303	13
390	297	15
500	305	11
650	292	04
800	320	04
950	346	01
1150	016	02
1350	250	01
1550	036	04
1750	254	02
2000	MISG	MISG

Data obtained for RAPTS T-9 radar tracked pilot-balloon observations.

TABLE 5

T-TIME PILOT-BALLOON MEASURED WIND DATA

DATE 12 June 1984

SITE: LC-33
TIME: 1001 MDT
WSTM COORDINATES:
X= 486,037.24
Y= 182,350.16
H= 3,977.30

LAYER MIDPOINT METERS AGL	DIRECTION DEGREES	SPEED KNOTS
SURFACE	320	10
150	303	11
210	286	12
270	285	15
330	286	13
390	297	11
500	297	10
650	315	08
800	289	11
950	306	09
1150	317	09
1350	337	06
1550	332	04
1750	190	02
2000	239	07

SITE: SMR
TIME 1001 MDT
WSTM COORDINATES:
X= 472,444.85
Y= 213,781.95
H= 4,000.99

LAYER MIDPOINT METERS AGL	DIRECTION DEGREES	SPEED KNOTS
SURFACE	260	02
150	313	02
210	315	06
270	310	04
330	260	06
390	291	06
500	300	04
650	313	05
800	319	03
950	267	04
1150	270	03
1350	268	04
1550	278	04
1750	285	03
2000	245	05

Data obtained from RAPTS-T-9 radar tracked pilot-balloon observations.

TABLE 6

T-TIME PILOT-BALLOON MEASURED WIND DATA

DATE 12 June 1984

SITE: LC-33
TIME: 1011 MDT
WSTM COORDINATES:
X= 486,037.24
Y= 182,350.16
H= 3,977.30

LAYER MIDPOINT METERS AGL	DIRECTION DEGREES	SPEED KNOTS
SURFACE	320	10
150	307	10
210	294	11
270	288	11
330	291	10
390	287	12
500	284	09
650	289	07
800	286	06
950	307	11
1150	338	07
1350	325	07
1550	338	09
1750	276	03
2000	219	08

SITE: SMR
TIME 1011 MDT
WSTM COORDINATES:
X= 472,444.85
Y= 213,781.95
H= 4,000.99

LAYER MIDPOINT METERS AGL	DIRECTION DEGREES	SPEED KNOTS
SURFACE	240	03
150	265	03
210	301	06
270	281	11
330	274	12
390	274	06
500	281	03
650	279	07
800	304	06
950	245	05
1150	257	04
1350	263	03
1550	206	01
1750	255	03
2000	294	02

Data obtained from RAPTS T-9 radar tracked pilot-balloon observations.

TABLE 7

AIMING AND T-TIME COMPUTER MET MESSAGE DATA

12 June 1984

WSD 0656 MDT		SMR 0656 MDT		WSD 0826 MDT		SMR 0826 MDT	
METCM1324064		METCM1325064		METCM1324064		METCM1325064	
121290122876		121290122876		121440122876		121440122876	
00373006	29750876	00356004	29630876	00427008	30180876	00427014	30280876
01355019	29920866	01369011	29790866	01399013	30090866	01468016	30130866
02359027	29830842	02358014	29750842	02553009	29900842	02472014	29870842
03379018	29490804	03442014	29480804	03494010	29660804	03453014	29570804
04464009	29080759	04450016	29110758	04404011	29320759	04393012	29280759
05368008	28770715	05338009	28780715	05375014	28930716	05350013	28930716
06351011	28480674	06369015	28460674	06363013	28520675	06352013	28500674

WSD 0911 MDT		SMR 0911 MDT		WSD 1000 MDT		SMR 1002 MDT	
METCM1324064		METCM1325064		METCM1324064		METCM1325064	
121520122876		121520122876		121600122877		121600122876	
00533006	30430876	00427008	30430876	00587010	30500877	00462002	30610876
01519015	30250867	01456006	30340866	01522017	30390867	01596002	30390866
02520014	29970842	02518007	30070847	02583008	30150843	02508006	30070842
03520009	29580805	03460010	29710805	03613006	29750805	03499004	29700805
04521002	29150759	04397005	29270759	04631008	29260760	04472004	29200759
05380013	28890716	05349008	28830716	05414005	28830717	05425005	28750716
06378013	28490675	06377016	28440675	06408015	28470675	06388014	28410675

SIGNIFICANT LEVEL DATA

STATION ALTITUDE 3959.00 FEET MSL
12 JUNE 84 0656 MDT
ASCENSION NO. 326

1440320326
WHITE SANDS

GEODETIC COORDINATES
32.40043 LAT DEG
106.37033 LON DEG

TABLE 8

PRESSURE MILLIBARS	GEOMETRIC ALTITUDE MSL FEET	TEMPERATURE AIR DEGREES CENTIGRADE	TEMPERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT
876.*	3939.0	22.7	10.5	65.0
867.9	4265.7	25.0	10.1	39.0
850.0	4865.8	24.3	9.5	39.0
762.5	7948.9	16.9	.5	33.0
709.5	9953.4	13.6	-5.6	24.0
700.0	10375.5	12.6	-7.4	24.0
674.9	11329.9	11.3	-1.5	41.0
641.0	12736.8	7.3	-6.1	38.0
599.4	14534.4	2.2	-5.6	56.0

STATION ALTITUDE 3989.0 FEET MSL
12 JUNE 84 0656 MDT
ASCENSION NO. 325

UPPER AIR DATA
1640020325
WHITE SANDS

GEODETIC COORDINATES
32.40043 LAT DEG
106.37033 LON DEG

TABLE 9

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES CENTIGRADE	TEMPERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION DEGREES(TN)	WIND DATA SPEED KNOTS	INDEX OF REFRACTION
3989.0	876.3	22.7	10.5	46.0	1026.2	671.9	210.0	5.0	1.000284
4000.0	876.0	22.8	10.5	45.7	1025.5	672.0	210.0	5.1	1.000283
4500.0	860.9	24.7	9.8	39.0	1001.4	674.2	210.5	8.8	1.000275
5000.0	846.0	24.0	9.1	38.7	986.8	673.3	210.8	11.5	1.000270
5500.0	831.2	22.6	7.6	37.8	973.8	671.8	211.0	14.2	1.000262
6000.0	816.7	21.6	6.2	36.8	961.1	670.3	211.1	17.0	1.000255
6500.0	802.4	20.4	4.8	35.8	948.5	668.8	213.6	17.7	1.000249
7000.0	788.4	19.2	3.3	34.8	936.1	667.3	224.5	16.1	1.000243
7500.0	774.7	18.0	1.9	33.9	923.8	665.9	241.3	11.4	1.000237
8000.0	761.1	15.6	.4	32.8	911.5	664.4	244.2	9.6	1.000231
8500.0	747.5	15.0	-1.3	30.5	898.1	663.4	248.2	7.9	1.000225
9000.0	734.2	15.2	-3.1	28.3	884.9	662.3	234.1	7.0	1.000219
9500.0	721.2	14.3	-4.9	26.0	871.9	661.3	215.3	6.8	1.000214
10000.0	708.3	13.5	-6.7	24.0	859.2	660.2	205.1	7.7	1.000209
10500.0	695.6	12.4	-6.1	27.0	846.9	659.0	198.2	9.8	1.000207
11000.0	683.0	11.7	-3.0	35.4	833.0	658.4	198.4	10.1	1.000208
11500.0	670.7	10.8	-2.0	40.5	820.4	657.5	199.5	11.2	1.000208
12000.0	658.5	9.4	-3.6	39.6	809.3	655.7	202.7	11.9	1.000205
12500.0	646.5	8.0	-5.3	38.5	799.3	654.0	205.3	12.6	1.000198
13000.0	634.7	6.5	-5.8	40.7	788.7	652.3			1.000195
13500.0	623.0	5.1	-5.6	45.7	778.0	650.7			1.000193
14000.0	611.5	3.7	-5.6	50.7	767.5	649.0			1.000191
14500.0	600.2	2.3	-5.6	55.7	757.1	647.4			1.000189

STATION ALTITUDE 3959.00 FEET MSL
16 JUNE 84
ASCENSION NO. 326 0656 MDT

MANDATORY LEVELS
1640020326
WHITE SANDS

GEODETIC COORDINATES
32.40043 LAT DEG
106.37033 LON DEG

TABLE 10

PRESSURE MILLIBARS	GEOPOTENTIAL FEET	TEMPERATURE AIR DEGREES CENTIGRADE	TEMPERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT	WIND DATA DIRECTION DEGREES(TN)	WIND DATA SPEED KNOTS
950.0	4862.	24.3	9.5	39.	210.8	10.8
900.0	6591.	20.2	4.5	35.	215.3	17.0
750.0	8403.	15.1	-1.0	31.	247.4	8.3
700.0	10315.	12.5	-7.4	24.	200.4	8.4
650.0	12343.	8.4	-4.8	39.	204.6	12.4
600.0	14491.	2.3	-5.6	55.		

SIGNIFICANT LEVEL DATA

STATION ALTITUDE 3997.3 FEET MSL
12 JUNE 84 0652 MDT
ASCENSION NO. 55
1440360355
S W R

GEODETIC COORDINATES
32.63054 LAT DEG
106.42337 LON DEG

TABLE 11

PRESSURE MILLIBARS	GEOMETRIC ALTITUDE MSL FEET	TEMPERATURE AIR DEGREES CENTIGRADE	TEMPERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT
876.2	3997.3	22.4	10.9	48.0
858.9	4235.9	23.5	9.5	41.0
850.0	4357.7	23.4	9.0	40.0
818.8	5953.5	21.8	2.0	27.0
715.7	9713.8	15.7	-4.5	28.0
700.0	10327.1	15.1	-.9	38.0
592.5	10632.6	12.9	-3.0	38.0
565.0	12525.0	7.5	-5.9	35.0

STATION ALTITUDE 3997.30 FEET MSL
12 JUNE 84 0652 MDT
ASCENSION NO. 56

UPPER AIR DATA
1640060355
S * R

GEODETIC COORDINATES
32.45034 LAT DEG
106.42307 LON DEG

TABLE 12

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES CENTIGRADE	TEMPERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION DEGREES(TN)	WIND DATA SPEED KNOTS	INDEX OF REFRACTION
3997.3	876.2	22.4	10.9	48.0	1027.0	671.5	210.7	4.1	1.000265
4000.0	875.1	22.4	10.8	47.9	1026.8	671.5	210.1	4.1	1.000265
4500.0	861.0	23.5	9.4	40.5	1005.3	672.8	228.3	5.8	1.000275
5000.0	846.1	23.2	8.3	38.4	989.7	672.5	237.5	7.8	1.000268
5500.0	831.4	22.5	5.2	32.4	975.8	671.2	243.0	10.0	1.000256
6000.0	816.9	21.7	1.9	27.0	962.1	670.0	246.5	12.2	1.000246
6500.0	802.5	20.6	1.1	27.1	948.7	668.8	248.9	14.4	1.000240
7000.0	788.4	19.5	.2	27.3	935.5	667.5	249.7	15.2	1.000235
7500.0	774.4	18.5	-.6	27.4	922.5	666.2	249.9	14.9	1.000232
8000.0	760.6	17.4	-1.5	27.5	909.7	665.0	250.0	14.7	1.000227
8500.0	747.3	16.3	-2.4	27.7	897.1	663.7	248.6	12.3	1.000223
9000.0	734.1	15.2	-3.2	27.8	884.6	662.4	225.9	10.3	1.000219
9500.0	721.2	14.2	-4.1	27.9	872.4	661.1	211.4	9.9	1.000215
10000.0	708.3	13.4	-2.6	32.7	858.8	660.4	209.5	10.8	1.000215
10500.0	695.6	13.0	-2.0	35.2	844.5	659.9	197.1	11.9	1.000215
11000.0	683.1	11.9	-3.7	33.6	832.3	658.5	225.0	2.7	1.000207
11500.0	670.7	10.4	-4.8	33.9	821.9	655.8	358.8	9.3	1.000203
12000.0	658.5	9.0	-5.8	34.6	811.2	655.1			1.000200
12500.0	646.5	7.6	-6.9	35.0	800.7	653.4			1.000196

STATION ALTITUDE 3997.0 FEET MSL
12 JUNE 84 0652 MDT
ASCENSION NO. 56

MANDATORY LEVELS
1440360355
S M R

GEODETIC COORDINATES
32.48356 LAT DEG
106.42307 LON DEG

TABLE 13

PRESSURE MILLIBARS	GEOPOTENTIAL FEET	TEMPERATURE AIR DEGREES CENTIGRADE	TEMPERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT	WIND DATA DIRECTION DEGREES(TN)	WIND DATA SPEED KNOTS
850.0	4864.	25.6	9.0	60.	235.5	7.5
800.0	5591.	20.6	.9	27.	240.3	14.9
750.0	8404.	15.5	-2.2	28.	242.7	12.7
700.0	10317.	13.1	-.9	38.	199.5	11.5
650.0	12344.	8.0	-6.6	35.		

STATION ALTITUDE 3939.0 FEET MSL
14 JUNE 90 0826 MDT
ASCENSION NO. 327

SIGNIFICANT LEVEL DATA
1640323527
WHITE SANDS

GEODETIC COORDINATES
32.40043 LAT DEG
106.37033 LON DEG

TABLE 14

PRESSURE MILLIBARS	GEOMETRIC ALTITUDE MSL FEET	TEMPERATURE AIR DEGREES CENTIGRADE	TEMPERATURE DEWPOINT DEGREES CENTIGRADE	REL.HUM. PERCENT
875.5	3939.0	26.9	11.0	37.0
865.7	4303.5	25.6	7.4	30.0
850.0	4870.1	25.2	5.4	28.0
810.7	5297.5	22.7	-2.1	19.0
801.5	6553.2	22.9	-2.5	19.0
747.5	8529.3	18.5	-7.8	15.0
700.0	10351.4	14.0	-5.2	26.0
557.7	12074.5	9.5	-3.0	28.0
515.1	13883.1	4.0	-5.7	49.0
593.7	14825.1	1.7	-8.9	45.0

STATION ALTITUDE 3989.0 FEET MSL
12 JUNE 84
ASCENSION NO. 327 0826 MDT

UPPER AIR DATA
1440323327
WHITE SANDS

GEODETIC COORDINATES
32.4[illegible] LAT DEG
106.[illegible] LON DEG

TABLE 15

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES CENTIGRADE	TEMPERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION DEGREES(TN)	WIND DATA SPEED KNOTS	INDEX OF REFRACTION
3989.0	876.3	25.9	11.0	37.0	1011.5	575.7	240.0	8.0	1.000281
4000.0	876.0	25.9	10.9	36.8	1011.4	575.7	240.2	8.0	1.000280
4500.0	861.0	25.0	5.8	29.3	998.3	575.3	250.5	7.9	1.000264
5000.0	846.2	25.0	4.8	27.1	985.0	573.9	260.2	8.1	1.000255
5500.0	831.5	24.0	2.1	23.8	971.5	572.7	259.6	8.5	1.000247
6000.0	817.2	23.1	-.7	20.5	958.5	571.5	277.5	9.1	1.000239
6500.0	803.0	22.9	-2.6	18.2	942.7	571.1	278.9	9.2	1.000232
7000.0	789.0	21.9	-3.8	17.5	929.4	569.9	254.3	8.1	1.000227
7500.0	775.2	20.8	-5.1	17.0	916.8	568.5	236.4	9.1	1.000223
8000.0	761.6	19.7	-6.4	16.5	904.3	567.3	230.0	11.0	1.000219
8500.0	748.3	18.6	-7.7	16.0	892.0	566.0	224.0	12.4	1.000214
9000.0	735.0	17.3	-6.8	18.6	879.8	564.6	218.3	13.5	1.000213
9500.0	721.9	16.1	-6.0	21.3	867.7	563.3	213.1	13.5	1.000211
10000.0	709.1	14.9	-5.5	24.0	855.8	561.9	207.8	13.3	1.000209
10500.0	696.5	13.6	-5.4	26.2	844.1	560.5	205.4	13.2	1.000207
11000.0	683.9	12.4	-6.2	26.7	832.7	559.0	204.5	13.1	1.000203
11500.0	671.6	11.1	-7.0	27.3	821.5	557.5	201.7	12.8	1.000200
12000.0	659.5	9.8	-7.9	27.9	810.6	555.9	198.0	12.4	1.000197
12500.0	647.4	8.3	-7.0	32.9	799.7	554.2	193.5	12.2	1.000195
13000.0	635.5	6.7	-6.3	38.7	789.3	552.5	188.4	12.2	1.000194
13500.0	623.9	5.2	-5.9	44.5	779.0	550.7			1.000193
14000.0	612.4	3.7	-5.1	48.5	768.7	549.0			1.000193
14500.0	601.0	2.5	-7.8	46.4	758.0	547.5			1.000195

STATION ALTITUDE 3959.00 FEET MSL
12 JUNE 84 0826 MDT
ASCENSION NO. 327

MANDATORY LEVELS
1440320327
WHITE SANDS

GEODETIC COORDINATES
32.4033 LAT DEG
106.3703 LON DEG

TABLE 16

PRESSURE MILLIBARS	GEOPOTENTIAL FEET	TEMPERATURE AIR DEGREES	TEMPERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT	WIND DATA DIRECTION DEGREES(EN)	WIND DATA SPEED KNOTS
851.0	4867.	25.2	5.4	28.	257.5	8.0
800.0	5501.	22.8	-2.8	18.	274.4	8.9
750.0	8429.	18.7	-7.5	15.	224.8	12.2
700.0	10351.	14.0	-5.2	26.	205.7	13.2
650.0	12382.	8.5	-7.2	32.	194.6	12.3
600.0	14529.	2.4	-8.0	45.		

STATION ALTITUDE 3997.00 FEET MSL
12 JUNE 84 0826 MDT
ASCENSION NO. 57

SIGNIFICANT LEVEL DATA
1640D4D357
S M R

GEODETIC COORDINATES
32.48D34 LAT DEG
106.42707 LON DEG

TABLE 17

PRESSURE MILLIBARS	GEOMETRIC ALTITUDE MSL FEET	TEMPERATURE AIR DEGREES	TEMPERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT
876.1	3997.8	28.2	5.9	26.0
870.9	4170.4	27.5	4.6	23.0
850.0	4872.8	25.2	3.2	24.0
820.1	5899.2	22.6	-.2	22.0
756.6	8133.9	19.0	-5.8	18.0
700.0	10355.9	16.1	-5.1	24.0
550.2	12379.8	8.3	-7.8	31.0

STATION ALTITUDE 3997.3 FEET MSL
12 JUNE 84 0826 MDT
ASCENSION NO. 57

UPPER AIR DATA
1447360367
S * R

TABLE 18

GEODETIC COORDINATES
32.483034 LAT DEG
106.423037 LON DEG

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES	TEMPERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION DEGREES(TN)	WIND DATA SPEED KNOTS	INDEX OF REFRACTION
3997.3	876.1	23.2	5.9	26.0	1008.6	577.7	240.0	14.0	1.000266
4000.0	876.0	23.2	5.9	26.0	1008.6	577.7	240.0	14.0	1.000266
4500.0	851.0	25.5	4.0	23.5	997.5	575.6	241.5	13.5	1.000257
5000.0	846.2	24.9	2.8	23.8	985.9	573.7	243.4	13.3	1.000252
5500.0	831.6	23.6	1.2	22.8	973.3	572.1	245.2	13.0	1.000245
6000.0	817.2	22.4	-.4	21.8	960.6	570.7	247.1	12.6	1.000240
6500.0	802.9	21.7	-1.6	20.9	946.6	569.8	249.1	12.3	1.000236
7000.0	788.9	20.9	-2.9	20.1	932.5	568.8	249.7	11.9	1.000229
7500.0	775.1	20.1	-4.1	19.2	918.3	567.8	235.9	10.2	1.000225
8000.0	761.5	19.3	-5.4	18.3	905.3	566.9	219.3	9.6	1.000220
8500.0	748.1	18.3	-5.8	18.9	892.6	565.7	210.9	10.2	1.000217
9000.0	734.8	17.2	-5.6	20.3	880.0	564.5	203.1	11.1	1.000214
9500.0	721.8	15.0	-5.9	21.6	867.7	563.2	199.9	11.8	1.000211
10000.0	709.0	14.9	-6.0	23.0	855.5	561.9	198.5	12.4	1.000208
10500.0	696.3	13.7	-6.2	24.5	843.9	560.6	195.9	13.1	1.000205
11000.0	683.8	12.3	-6.6	26.2	832.9	559.8			1.000203
11500.0	671.4	10.8	-7.0	28.0	822.0	557.2			1.000200
12000.0	659.3	9.4	-7.4	29.7	811.2	555.5			1.000197

STATION ALTITUDE 3997.30 FEET MSL
12 JUNE 84 0826 MDT
ASCENSION NO. 57

MANDATORY LEVELS
15400600367
S M R

GEODETIC COORDINATES
32.465034 LAT DEG
106.423037 LON DEG

TABLE 19

PRESSURE MILLIBARS	GEOPOTENTIAL FEET	TEMPERATURE AIR DEGREES	TEMPERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT	WIND DATA DIRECTION DEGREES(TN)	WIND DATA SPEED KNOTS
850.0	4869.	25.2	3.2	24.	242.9	13.4
800.0	5503.	21.5	-1.9	21.	249.5	12.3
750.0	8423.	18.6	-5.8	19.	212.1	10.1
700.0	10345.	14.1	-6.1	24.	197.3	12.9

STATION ALTITUDE 3[illegible].0 FEET MSL
12 JUNE 84 0911 MDT
ASCENSION NO. 328

SIGNIFICANT LEVEL DATA
1440320328
WHITE SANDS

GEODETIC COORDINATES
32.40348 LAT DEG
106.37033 LON DEG

TABLE 20

PRESSURE MILLIBARS	GEOMETRIC ALTITUDE MSL FEET	TEMPERATURE AIR DEGREES CENTIGRADE	TEMPERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT
876.4	3939.0	29.9	7.2	24.0
870.7	4179.5	28.5	6.2	21.0
850.0	4977.6	25.4	.2	18.0
764.5	7895.5	17.8	-5.6	23.0
720.7	9545.2	15.5	-7.3	20.0
700.0	10354.4	14.0	-4.2	28.0
643.5	12655.9	7.3	-7.9	33.0
599.7	14550.2	3.0	-15.1	25.0

STATION ALTITUDE 3989.00 FEET MSL
12 JUNE 84 0911 MDT
ASCENSION NO. 328

UPPER AIR DATA
1640023S28
WHITE SANDS

GEODETIC COORDINATES
32.43043 LAT DEG
106.37033 LON DEG

TABLE 21

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES CENTIGRADE	TEMPERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION DEGREES(TN)	WIND DATA SPEED KNOTS	INDEX OF REFRACTION
3989.0	875.4	29.9	7.2	24.0	1003.0	579.7	300.0	5.0	1.000265
4000.0	875.1	29.8	7.0	23.8	1003.0	579.6	300.0	5.0	1.000265
4500.0	861.1	27.6	2.4	19.6	994.3	575.7	298.7	5.6	1.000252
5000.0	846.4	25.1	.1	18.2	982.7	574.8	297.7	7.1	1.000245
5500.0	831.5	24.5	-.5	19.0	970.5	573.2	296.8	7.6	1.000241
6000.0	817.1	23.2	-1.1	19.9	958.1	571.5	296.0	8.2	1.000238
6500.0	802.9	21.8	-1.7	20.7	946.0	569.9	295.5	8.5	1.000234
7000.0	789.0	20.4	-2.3	21.5	934.1	568.2	298.0	5.7	1.000231
7500.0	775.2	18.9	-3.0	22.3	922.4	566.6	302.1	4.9	1.000227
8000.0	761.7	17.7	-3.8	22.8	910.5	565.1	275.8	3.6	1.000223
8500.0	748.2	17.0	-4.9	21.9	896.5	564.3	236.5	4.5	1.000219
9000.0	734.9	15.3	-6.1	21.0	882.8	563.4	219.1	7.2	1.000214
9500.0	721.9	15.6	-7.2	20.1	869.6	562.6	215.8	10.5	1.000210
10000.0	709.0	14.7	-5.4	24.5	856.5	661.6	214.4	12.7	1.000259
10500.0	696.3	13.6	-4.4	28.3	843.9	560.5	215.1	13.5	1.000208
11000.0	683.7	12.1	-5.2	29.4	833.0	559.8	214.8	13.7	1.000205
11500.0	671.3	10.7	-6.0	30.5	822.1	557.1	213.8	13.1	1.000202
12000.0	659.2	9.2	-6.8	31.6	811.5	555.3	206.1	13.8	1.000198
12500.0	647.2	7.8	-7.5	32.6	801.0	553.5	201.1	13.9	1.000195
13000.0	635.4	6.5	-9.1	31.6	789.9	552.1	199.3	14.1	1.000191
13500.0	623.6	5.4	-11.0	29.5	778.7	550.7			1.000185
14000.0	612.1	4.3	-12.9	27.3	767.5	549.3			1.000182
14500.0	600.8	3.1	-14.9	25.2	756.7	547.9			1.000178

MANDATORY LEVELS

STATION ALTITUDE 3999.00 FEET MSL
12 JUNE 84 0911 MDT
ASCENSION NO. 325

1440323328
WHITE SANDS

GEODETIC COORDINATES
32.40363 LAT DEG
106.37033 LON DEG

TABLE 22

PRESSURE MILLIBARS	GEOPOTENTIAL FEET	TEMPERATURE AIR DEGREES CENTIGRADE	TEMPERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT	WIND DATA DIRECTION DEGREES(TN)	WIND DATA SPEED KNOTS
850.0	4976.	26.4	.2	18.	297.9	7.0
800.0	6539.	21.5	-1.8	21.	295.0	8.1
750.0	8125.	17.1	-4.8	22.	239.1	4.3
700.0	10344.	14.0	-4.2	28.	214.9	13.3
650.0	12773.	8.1	-7.4	32.	202.2	13.7
600.0	14523.	3.0	-15.0	25.		

STATION ALTITUDE 3997.3 FEET MSL
12 JUNE 84 0911 MDT
ASCENSION NO. 5[illegible]

SIGNIFICANT LEVEL DATA
164[illegible]3058
S M R

GEODETIC COORDINATES
32.48054 LAT DEG
106.42307 LON DEG

TABLE 23

PRESSURE MILLIBARS	GEOMETRIC ALTITUDE MSL FEET	TEMPERATURE AIR DEGREES CENTIGRADE	TEMPERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT
876.2	3997.3	30.2	6.8	20.0
870.9	4174.9	30.0	2.3	17.0
850.0	4832.0	27.2	.1	17.0
700.0	10371.6	12.9	-8.5	22.0
555.5	12125.4	9.1	-7.5	30.0
594.4	14798.2	1.7	-17.2	23.0

STATION ALTITUDE 3997.3 FEET MSL
12 JUNE 84 0911 MDT
ASCENSION NO. 58

UPPER AIR DATA
1640360358
S * R

GEODETIC COORDINATES
32.48036 LAT DEG
106.42307 LON DEG

TABLE 24

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES	TEMPERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT	DENSITY SM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION DEGREES(TN)	WIND DATA SPEED KNOTS	INDEX OF REFRACTION
3997.3	876.2	30.2	4.8	20.0	1002.5	679.8	260.0	8.0	1.000254
4000.0	875.1	30.2	4.7	20.0	1002.6	679.8	260.0	8.0	1.000253
4500.0	861.2	28.7	1.3	17.0	991.0	677.9	262.2	8.0	1.000249
5000.0	846.5	26.9	-.1	17.1	980.1	675.7	264.4	8.0	1.000244
5500.0	831.6	25.6	-.8	17.5	967.2	674.2	266.5	8.0	1.000240
6000.0	817.0	24.3	-1.5	18.0	954.5	672.7	268.8	8.1	1.000235
6500.0	802.7	23.0	-2.2	18.5	942.0	671.2	269.9	8.1	1.000232
7000.0	788.7	21.7	-3.0	18.9	929.7	669.7	268.3	7.5	1.000229
7500.0	774.8	20.4	-3.7	19.4	917.5	668.2	260.5	6.4	1.000226
8000.0	761.2	19.1	-4.5	19.8	905.5	666.7	250.0	5.5	1.000221
8500.0	747.9	17.8	-5.3	20.3	893.7	665.2	219.0	5.9	1.000215
9000.0	734.8	16.5	-6.0	20.8	882.1	663.7	211.9	7.0	1.000214
9500.0	721.9	15.2	-6.8	21.2	870.6	662.1	206.8	8.3	1.000211
10000.0	709.3	13.9	-7.7	21.7	859.3	660.5	207.5	10.1	1.000207
10500.0	696.7	12.6	-8.2	22.5	847.8	659.2	208.6	12.0	1.000204
11000.0	684.1	11.5	-7.9	24.9	835.5	657.9	209.2	13.9	1.000202
11500.0	671.8	10.5	-7.5	27.1	823.5	656.7	208.9	16.4	1.000200
12000.0	659.6	9.4	-7.5	29.4	811.7	655.5	208.3	16.4	1.000197
12500.0	647.5	8.1	-8.9	29.0	800.7	653.9	207.7	16.4	1.000193
13000.0	635.6	6.7	-10.5	27.7	789.9	652.2			1.000189
13500.0	623.8	5.3	-12.4	26.4	779.4	650.5			1.000185
14000.0	612.3	3.9	-14.2	25.1	769.0	648.9			1.000181
14500.0	601.0	2.5	-15.1	23.8	758.7	647.2			1.000178

STATION ALTITUDE 3997.00 FEET MSL
12 JUNE 84 0911 MDT
ASCENSION NO. 58

MANDATORY LEVELS
1440360368
S W R

GEODETIC COORDINATES
32.43038 LAT DEG
106.42307 LON DEG

TABLE 25

PRESSURE MILLIBARS	GEOPOTENTIAL FEET	TEMPERATURE AIR DEGREES	TEMPERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT	WIND DATA DIRECTION DEGREES(TN)	WIND DATA SPEED KNOTS
850.0	4878.	27.2	.1	17.	243.9	8.0
800.0	5520.	22.7	-2.4	19.	251.6	8.1
750.0	8446.	18.0	-5.1	20.	219.9	5.7
700.0	10361.	12.9	-8.3	22.	208.1	11.5
650.0	12337.	8.5	-8.5	29.	207.9	16.6
600.0	14532.	2.6	-16.2	24.		

STATION ALTITUDE 3989.0 FEET MSL
12 JUNE 94 1000 MDT
ASCENSION NO. 329

SIGNIFICANT LEVEL DATA
144320729
WHITE SANDS

GEODETIC COORDINATES
32.40345 LAT DEG
106.37035 LON DEG

TABLE 26

PRESSURE MILLIBARS	GEOMETRIC ALTITUDE MSL FEET	TEMPERATURE AIR DEGREES CENTIGRADE	TEMPERATURE DEWPOINT DEGREES CENTIGRADE	REL.HUM. PERCENT
875.5	3989.0	30.9	3.0	17.0
873.5	4035.2	30.4	2.5	17.0
850.0	4885.2	28.1	1.5	18.0
737.3	8987.2	16.3	-6.7	20.0
717.7	9687.0	14.7	-5.8	22.0
700.0	10378.6	13.3	-7.9	22.0
632.7	13189.0	5.8	-8.7	32.0
592.3	14907.2	2.8	-18.5	19.0

STATION ALTITUDE 3[illegible].00 FEET MSL
12 JUNE 84 1000 MDT
ASCENSION NO. 329

UPPER AIR DATA
1440023529
WHITE SANDS

GEODETIC COORDINATES
32.40345 LAT DEG
106.37035 LON DEG

TABLE 27

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES	TEMPERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION DEGREES(TN)	WIND DATA SPEED KNOTS	INDEX OF REFRACTION
3959.0	675.5	70.7	3.0	17.0	1001.0	580.4	330.0	9.9	1.000254
4000.0	676.2	70.8	3.0	17.0	1000.8	580.4	330.0	9.9	1.000254
4500.0	661.3	29.2	2.1	17.5	989.5	578.5	331.8	9.3	1.000250
5000.0	646.6	27.8	1.3	18.1	977.1	576.8	333.3	8.7	1.000245
5500.0	631.9	26.3	.4	18.3	964.9	575.1	336.1	8.1	1.000242
6000.0	617.4	24.9	-.7	18.6	952.9	573.4	338.7	7.6	1.000237
6500.0	603.2	23.4	-1.7	18.8	941.1	571.7	341.7	7.0	1.000233
7000.0	589.2	21.9	-2.7	19.0	929.4	570.0	345.0	6.5	1.000229
7500.0	575.5	20.5	-3.7	19.3	917.9	568.3	348.0	6.1	1.000225
8000.0	562.0	19.0	-4.7	19.5	906.5	566.6	351.5	5.7	1.000221
8500.0	548.7	17.6	-5.8	19.8	895.4	564.9	347.5	6.7	1.000217
9000.0	535.6	16.2	-6.7	20.2	884.1	563.3	311.1	8.2	1.000214
9500.0	522.5	15.1	-6.7	21.5	871.5	561.1	265.0	8.9	1.000211
10000.0	509.6	14.1	-7.3	22.0	859.1	560.9	242.5	9.6	1.000208
10500.0	496.9	13.0	-7.9	22.4	846.8	559.5	234.2	10.1	1.000204
11000.0	484.2	11.6	-7.9	24.3	834.9	558.3	230.2	12.9	1.000202
11500.0	471.6	10.7	-8.0	26.1	823.1	555.9	227.0	13.4	1.000199
12000.0	459.6	9.5	-8.1	27.9	811.5	555.5	224.0	14.0	1.000195
12500.0	447.7	8.3	-8.4	29.7	800.1	554.2	220.2	15.9	1.000194
13000.0	435.9	7.1	-8.5	31.5	788.9	552.8	216.0	17.7	1.000191
13500.0	424.2	5.0	-10.5	29.3	777.8	551.4			1.000187
14000.0	412.7	4.9	-13.2	25.7	766.7	550.0			1.000182
14500.0	401.4	3.7	-15.0	22.0	755.8	548.5			1.000177

STATION ALTITUDE 3989.00 FEET MSL
12 JUNE 94 1000 MDT
ASCENSION NO. 329

MANDATORY LEVELS
1440323329
WHITE SANDS

GEODETIC COORDINATES
32.43063 LAT DEG
106.37033 LON DEG

TABLE 28

PRESSURE MILLIBARS	GEOPOTENTIAL FEET	TEMPERATURE AIR DEGREES	TEMPERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT	WIND DATA DIRECTION DEGREES(TN)	WIND DATA SPEED KNOTS
950.0	4982.	28.1	1.6	18.	338.5	8.3
900.0	5527.	25.1	-1.9	19.	342.5	5.9
750.0	8452.	17.7	-5.7	20.	349.5	6.9
700.0	10368.	13.3	-7.9	22.	335.7	9.2
650.0	12395.	8.5	-9.3	29.	321.1	14.0
600.0	14545.	3.6	-16.4	22.		

STATION ALTITUDE 3997.3 FEET MSL
12 JUNE 84 1002 MDT
ASCENSION NO. 59

SIGNIFICANT LEVEL DATA
1443363069
S W R

GEODETIC COORDINATES
32.48734 LAT DEG
106.42307 LON DEG

TABLE 29

PRESSURE MILLIBARS	GEOMETRIC ALTITUDE MSL FEET	TEMPERATURE AIR DEGREES	TEMPERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT
875.2	3997.3	31.5	5.9	20.0
869.8	4212.4	30.1	3.2	18.0
850.0	4983.1	27.3	.9	18.0
819.5	5964.5	24.5	-.5	19.0
712.5	9383.4	12.9	-7.2	24.0
700.0	10353.9	12.9	-7.2	24.0
520.5	13650.6	4.8	-12.1	28.0

STATION ALTITUDE 3997.3 FEET MSL
12 JUNE 84 1002 MDT
ASCENSION NO. 59

UPPER AIR DATA
1640360369
S M R

TABLE 30

GEODETIC COORDINATES
32.483036 LAT DEG
106.623307 LON DEG

GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEGREES	TEMPERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION DEGREES(TN)	WIND DATA SPEED KNOTS	INDEX OF REFRACTION
3997.3	876.2	31.6	5.9	20.0	997.5	581.5	260.0	1.9	1.000260
4000.0	876.1	31.6	5.9	20.0	997.5	581.4	260.0	1.9	1.000260
4500.0	851.3	28.9	2.2	18.0	987.2	578.1	255.1	2.2	1.000250
5000.0	826.6	27.0	.8	18.1	979.7	575.9	259.3	2.4	1.000245
5500.0	832.0	25.7	.0	18.5	957.5	574.6	272.7	2.5	1.000242
6000.0	817.7	24.3	-.7	19.1	955.0	572.8	275.5	2.9	1.000238
6500.0	803.3	22.9	-1.5	19.7	942.9	571.1	277.9	3.1	1.000234
7000.0	789.1	21.4	-2.2	20.3	931.0	569.4	277.2	3.4	1.000230
7500.0	775.2	19.9	-3.0	21.0	919.3	567.7	273.7	3.6	1.000225
8000.0	761.6	18.4	-3.9	21.6	907.8	566.0	270.7	3.9	1.000221
8500.0	748.2	17.0	-4.7	22.2	896.4	564.3	268.7	4.2	1.000219
9000.0	735.0	15.5	-5.6	22.9	885.2	562.6	250.3	4.9	1.000215
9500.0	722.1	14.0	-6.5	23.5	874.2	560.8	240.6	5.8	1.000212
10000.0	709.3	12.9	-7.2	24.0	862.2	559.5	232.0	7.3	1.000209
10500.0	696.5	12.6	-7.3	24.2	847.5	559.1	225.5	9.6	1.000205
11000.0	683.8	11.3	-8.1	24.8	835.3	557.7	221.4	11.5	1.000202
11500.0	671.4	10.1	-8.8	25.4	824.2	556.2	220.2	12.9	1.000198
12000.0	659.1	8.9	-9.5	26.0	812.3	554.8	220.0	14.0	1.000195
12500.0	647.1	7.6	-10.3	26.5	801.5	553.3			1.000192
13000.0	635.3	6.4	-11.1	27.2	790.5	551.9			1.000189
13500.0	623.7	5.2	-11.9	27.8	779.5	550.4			1.000185

STATION ALTITUDE 3997.00 FEET MSL
12 JUNE 84 1002 MDT
ASCENSION NO. 69

MANDATORY LEVELS
1540060059
S * R

GEODETIC COORDINATES
32.483034 LAT DEG
104.423007 LON DEG

TABLE 31

PRESSURE MILLIBARS	GEOPOTENTIAL FEET	TEMPERATURE AIR DEGREES CENTIGRADE	TEMPERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT	WIND DATA DIRECTION DEGREES(TN)	WIND DATA SPEED KNOTS
850.0	4960.	27.8	.9	18.	250.4	2.3
800.0	5521.	22.6	-1.6	20.	273.4	3.2
750.0	8447.	17.2	-6.4	22.	255.4	4.1
700.0	10354.	12.9	-7.2	24.	227.0	8.8
650.0	12777.	7.9	-10.1	26.	219.8	14.3